

### **REMARKS**

The present Amendment amends claims 5 and 6 and cancels claims 1-4 and 7-10. Therefore, the present application has pending claims 5 and 6.

In paragraph 1 of the Office Action the Examiner objected to the drawings under 37 CFR §1.83(a) as failing to show the features wherein at least one of the second signal connection rows are connected by the wiring pattern groups by ones of the wiring layers using different ones of the wiring layers as per claim 5, lines 7 and 8, and wherein N2 of signal path groups of each of the signal processing substrates is connected by the wiring pattern groups by using different ones of the wiring layers as per claim 6, lines 2-4. Applicants traversed this objection being that these features are clearly illustrated in the drawing particularly Figs. 5 and 6. Therefore, reconsideration and withdrawal of this objection is respectfully requested.

As per Figs. 5 and 6, the description of which can be found in the present application beginning on page 28, lines 13 through page 30, line 2, the present drawings clearly illustrate that at least one of the second signal connection rows is connected by the wiring pattern groups by one of the wiring patterns using different wiring layers, and that N2 of the signal path groups of each of the signal processing substrate is connected by the wiring pattern groups by using different ones of the wiring layers. For example, as illustrated in Fig. 6, it shown that DKA substrate 40-1 is connected to the SCW substrate 70-1 through a wiring pattern P11 and is also connected to the SSW substrate 80-1 through wiring pattern P13. As clearly illustrated in Figs. 5 and 6 each of the wiring patterns are formed in an overlapping manner in the back plane 90 and as such would convey one of the ordinary skill in

the art that such wiring patterns are on multiple wiring layers as described in the present application since otherwise such connections would interfere with each other.

Thus, the drawings clearly illustrate the use of different wiring layers to connect different ones of the signal connection rows as recited in the claims. Therefore, reconsideration and withdrawal of the CFR §1.83(a) objection to the drawings is respectfully requested.

Claims 3, 5 and 7-10 stand objected to due to informalities noted by the Examiner in paragraph 2 of the Office Action. As indicated above, claims 3 and 7-10 were canceled. Therefore, this objection with respect to claims 3 and 7-10 is rendered moot. Various amendments were made throughout the remaining claim 5 to correct the informalities noted by the Examiner. Therefore, these objections with respect to claim 5 are overcome and should be withdrawn.

Claims 1-4 and 7-10 stand rejected under 35 USC §102(b) as being anticipated by Applicants' alleged admitted prior art of Figs. 10-12. As indicated above, claims 1-4 and 7-10 were canceled. Therefore, this rejection is rendered moot. Accordingly, reconsideration and withdrawal of this rejection is respectfully requested.

It should be noted that the cancellation of claims 1-4 and 7-10 was not intended nor should it be considered as an agreement on Applicants part that the features recited in claims 1-4 and 7-10 are taught or suggested by any of the references of record. The cancellation of claims 1-4 and 7-10 was simply intended to expedite prosecution of the present application.

Applicants acknowledge the Examiner's indication in paragraph 5 of the Office Action that claims 5 and 6 would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

Amendments were made to claims 5 and 6 to place them in independent form including all the limitations of the base claim and any interview claims. Therefore, claims 5 and 6 are allowable as indicated by the Examiner.

In view of the foregoing amendments and remarks, applicants submit that claims 5 and 6 are in condition for allowance. Accordingly, early allowance of claims 5 and 6 is respectfully requested.

To the extent necessary, the applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (1309.43463X00).

Respectfully submitted,

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